

# ARCHITECTURAL LED SURFACE – STRAIGHT FLOATING CENTER

# ATS3

## LED

CATALOG #:

TYPE:

PROJECT:

NOTES:

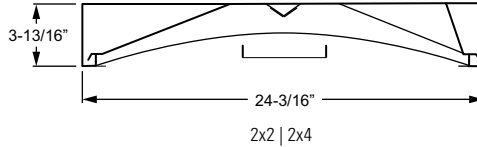
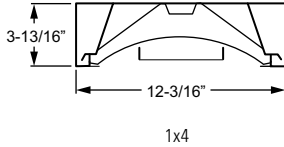
EXAMPLE

**ATS3 - 2 4 - L70/835 - D - OPTIONS - DIM - UNV**

SERIES    NOM. W.    NOM. L.    LUMENS PER FOOT    CRI & CCT    SHIELDING    OPTIONS    DRIVER    VOLTAGE



### CROSS SECTION



### ORDERING INFORMATION

#### SERIES

**ATS3** Architectural LED Surface – Straight Floating Center

#### NOMINAL WIDTH

**1** 1'  
**2** 2'

#### NOMINAL LENGTH

**2** 2' (2' width only)  
**4** 4'

#### LED PACKAGE

EXAMPLE: L70/835			WATTAGE
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	
<b>1x4</b>			
L20	2,000	827 = 82 CRI, 2700K 830 = 82 CRI, 3000K 835 = 82 CRI, 3500K 840 = 82 CRI, 4000K 850 = 82 CRI, 5000K	24
L30	3,000		34
L40	4,000		49
L50	5,000		51
L63	6,300		69
<b>2x2</b>			
L20	2,000		21
L30	3,000		31
L40	4,000		42
L50	5,000		49
<b>2x4</b>			
L30	3,000		31
L40	4,000		43
L55	5,500		55
L70	7,000		69
L85	8,500		86
L100	10,000		98

Nominal lumen output based on 3500 CCT. Actual lumens may vary +/-5%. See fixture performance data. Additional LED lumen packages available, see options.

#### SHIELDING

**D** Diffuse matte acrylic center

#### OPTIONS

See page 4 for fixture details.

**EM/10W** 10-watt emergency LED driver (120V-277V only; 2x2, 2x4 only)

**EM/10WLP** Low-profile 10-watt emergency LED driver (120V-277V only; 1x4 only)

**(L\_\_)** Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.

Example: 5,000 nominal lumens =

ATS3-24-L55/835-D-(L50).

**SS** Gasketed clear flat acrylic lens (not available with OCC option)

**AMW** Anti-microbial white finish

#### DRIVER

Additional dimming drivers available, see [Technical Info](#).

**DRV** Driver prewired for non-dimming applications

**DIM** Dimming driver prewired for 0-10V low voltage applications

#### VOLTAGE

**120** 120V

**277** 277V

**UNV** 120-277V

**347** 347V (not available with EM drivers)

### FEATURES

- ▶ Straight floating lens effect creates an appealing visual appearance.
- ▶ Matte white paint and diffuse lens combination provide pleasing architectural aesthetics with non-glare reflective surfaces
- ▶ Sleek, extruded center complements LX4 continuous light series.
- ▶ Quiet and smooth illumination for visual comfort
- ▶ Optional gasketed acrylic lens adds extra layer of protection
- ▶ Rated for 25°C ambient operating temperature
- ▶ This fixture is proudly made in the USA



### LED

### SPECIFICATIONS

**Housing** – 20-gauge die-formed, welded C.R.S.  
**Door Frame** – Hinged, flat, extruded aluminum door frame with optical assembly.  
**Shielding** – Diffuse polycarbonate lens and acrylic center standard.  
**Finish** – 95% reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.  
**Electrical** – High quality mid-power LED boards. L70 >60,000 hours per IES TM-21.  
**Mounting** – Surface  
**Labels** – cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.  
**Warranty** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

### FIXTURE PERFORMANCE DATA

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)
<b>1x4</b>			
L20	2236	24	93.2
L30	3201	34	94.1
L40	4192	49	85.6
L50	5003	51	98.1
L63	6502	68	95.2
<b>2x2</b>			
L20	2091	21	99.6
L30	2998	31	96.7
L40	3924	42	93.4
L50	4878	49	99.8
<b>2x4</b>			
L30	3120	31	100.6
L40	3998	43	93.0
L55	5694	55	103.5
L70	7144	69	103.5
L85	8376	86	97.4
L100	10147	98	103.5

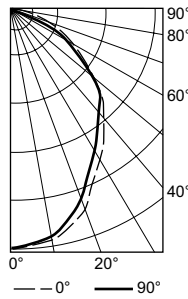
### MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
2700K/80CRI	0.97
3000K/80CRI	0.99
3500K/80CRI	1.00
4000K/80CRI	1.03
5000K/80CRI	1.06

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

### PHOTOMETRY

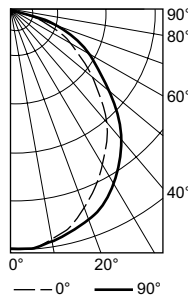
**ATS3-14-L63/830-D-DRV-120** Report #: 19446.0; 08/16/16 | Total Luminaire Output: 6502 lumens; 68.3 Watts  
 Efficacy: 95.2 lm/W | 83 CRI; 3587K CCT | IES Spacing Criteria: End: 1.1, Across: 1.1, Diagonal: 1.1



Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	2902	2902	2902	
5	2866	2861	2856	273.1
15	2694	2668	2648	756.8
25	2314	2272	2254	1054.1
35	1929	1888	1884	1191.7
45	1574	1551	1557	1558.
55	1099	1090	1069	973.5
65	718	714	551	662.5
75	350	257	238	303.3
85	97	75	60	80.2
90	0	0	0	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	2084.	32.1
	0 - 40	3276.	50.4
	0 - 60	5456.	83.9
	0 - 90	6502.	100.0
	0 - 180	6502.	100.0

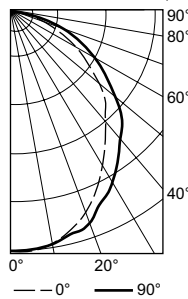
**ATS3-22-L50/835-D-DRV-120** Report #: 19435.0; 07/18/16 | Total Luminaire Output: 4878 lumens; 48.9 Watts  
 Efficacy: 99.8 lm/W | 82 CRI; 3557K CCT | IES Spacing Criteria: End: 1.1, Across: 1.3, Diagonal: 1.2



Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	1919	1919	1919	
5	1915	1908	1905	182.2
15	1808	1813	1846	516.2
25	1592	1654	1730	767.1
35	1335	1425	1522	896.7
45	1029	1120	1210	867.2
55	734	829	891	735.9
65	478	559	614	547.1
75	243	308	356	319.3
85	44	39	37	46.0
90	0	0	0	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	1465.	30.0
	0 - 40	2362.	48.4
	0 - 60	3965.	81.3
	0 - 90	4878.	100.0
	0 - 180	4878.	100.0

**ATS3-24-L70/830-D-DIM-UNV** Report #: 19260.0; 02/29/16 | Total Luminaire Output: 7144 lumens; 69 Watts  
 Efficacy: 103.5 lm/W | 83 CRI; 3091K CCT | IES Spacing Criteria: End: 1.1, Across: 1.2, Diagonal: 1.1



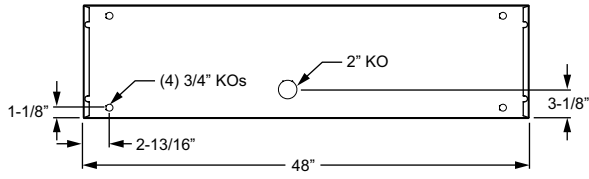
Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	2836	2836	2836	
5	2821	2822	2824	269.4
15	2662	2685	2720	762.1
25	2303	2378	2468	1102.2
35	1866	1997	2128	1254.3
45	1503	1680	1792	1286.0
55	1039	1204	1281	1058.7
65	695	849	912	821.6
75	362	495	495	490.9
85	108	77	72	99.0
90	0	0	0	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	2134.	29.9
	0 - 40	3388.	47.4
	0 - 60	5733.	80.2
	0 - 90	7144.	100.0
	0 - 180	7144.	100.0

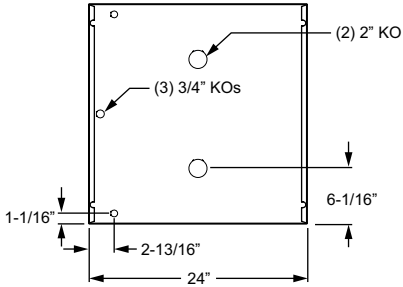


FIXTURE DETAILS

1x4 BACK VIEW



2x2 BACK VIEW



2x4 BACK VIEW

